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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 10, 2015

Steve Schnoor  
Kennecott Utah Copper LLC  
4700 Daybreak Parkway  
South Jordan, Utah 84095

Subject: Amendment Notice of Intention, Kennecott Barneys Canyon Mining, Barneys Canyon Mine, M/035/0009, Salt Lake County, Utah

Dear Mr. Schnoor:

On May 19, 2015 the Division of Oil, Gas and Mining (Division) received an amendment to the Barney's Canyon Notice of Intention to Commence Large Mining Operations (Notice) together with form MR-REV. The following information is needed:

1. (lah) Please resubmit the "Request for Approval to Construct" from DEQ after their requested changes have been made and the document is finalized with DEQ.
2. (pnb) Briefly explain the source and use of the 300ppm arsenic screening level, and the source and use of an apparent second screening level of 225 ppm arsenic (Figure 4-1).
3. (pnb) Explain the omission of data from samples taken from between 6 and 18 inches. Page 4-1 indicates that, in general, the highest concentrations of arsenic indicated by the XRF screening were encountered within the upper 6 to 12 inches below the surface. Since the maximum arsenic results from the SPLP test would likely correspond to the maximum arsenic concentrations in soil, the SPLP results provided are likely not representative of the maximum arsenic (or other elemental) leachability of this material.
4. (mpb) On Sheet 5-DR-04, Channel Type B should specify that, in addition to a D50 of 12", only angular rock be used from stations 609+23.3 to 611+82.2 due to the steepness of this section. Nothing less angular than sub-angular should be specified in all other sections of the channel. A minimum stone density should also be specified.

The Division recommends that remediation work continue as weather permits including buttressing and capping the leach pads.

The following information has been approved or accepted and included in the NOI:

1. (lah) Approved - Title Page
2. (lah) Approved - Cover sheets for Appendix L, M-II, N-I, N-II, O-I
3. (lah) Accepted - Piping As built
4. (lah) Approved - Modified permit boundary
5. (lah) Accepted - June 13, 2008 Ground Water Discharge Permit -UGW350001



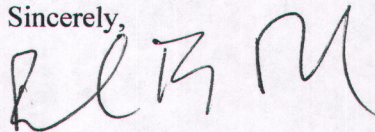


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A copy of the approved or accepted is attached for you your records. After the Division receives the finalized Request for Approval to Construct from DEQ a stamped copy will be returned from the Division. The resubmittal will be reviewed and stamped approved or accepted when complete. **The approval or acceptance of a complete notice of intention does not relieve an operator from his responsibility to comply with the applicable statutes, rules, regulations, and ordinances of all local, state and federal agencies with jurisdiction over any aspect of the operator's mining operations.**

Please contact Leslie Heppler at 801-538-5257 or me at 801-538-5261 if you have questions about this action. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. B. Baker', written in a cursive style.

Paul B. Baker  
Minerals Program Manager

PBB: lah: eb  
cc: Doug Bacon, Hans Millican, Brian Hamos, Dan Hall, and David Allison, DEQ (dbacon@utah.gov, hmillican@utah.gov, bhamos@utah.gov, dhall@utah.gov, dallison@utah.gov, Kerri Fiedler, EPA (fiedler.kerri@epa.gov)  
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